Code No: D2502

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech II - Semester Examinations, March/April 2011
SOFTWARE QUALITY ASSURANCE AND TESTING
(SOFTWARE ENGINEERING)

Time: 3hours   **Max. Marks: 60**

Answer any five questions
All questions carry equal marks

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1.   Define Software Quality Assurance? Describe the steps to develop and implement
     a Software Quality Assurance Plan.   [12]

2.   Explain various Metrics for Software Maintenance.   [12]

3.   Define Test Strategy. List and explain various Test Factors.   [12]

4.   What is a Work Bench? Explain 8 considerations in Developing Testing
     Methodologies.   [12]

5. a) Distinguish between Black Box and White Box Testing.
   b) Explain Cause Effect Graphing with an example.   [6+6]

6. a) Provide and explain Taxonomy of Testing Tools.
   b) Explain benefits of testing tools.   [6+6]

7.   Explain the 11 step testing process in detail.   [12]

8.   Discuss the Testing off the Shelf components in detail.   [12]

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